

Press release

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Basic information

Name: Saida Said Email: saida.said@clin.au.dk Phone: 60680739

Department of: Clinical Medicine

Main supervisor: Heidi Kaastrup Müller, Associate Professor, Aarhus University

Title of dissertation: Novel approaches to conformational and functional studies of the serotonin transporter and the GABA transporter subtype one

Date for defence: 11.08.2020 at (time of day): 1 pm Place: Aarhus University, Audoterium F, 1534 - 125

Online defence via zoom: <https://aarhusuniversity.zoom.us/j/68340475830>

Meeting ID: 683 4047 5830

Press release (Danish)

Studier af proteiner, der regulerer mængden af to vigtige signalstoffer i hjernen

Serotonin og GABA transporterne er to vigtige proteiner, der regulerer den synaptiske mængde af signalmolekylerne serotonin og GABA i hjernen. GABA er det primære hæmmende signalmolekyle, og fejlbalanceerede niveauer af GABA kan forårsage angst, epilepsi, stress og depression. Serotonin regulerer f.eks. humør, appetit, hukommelse, læring og belønning og flere typer af antidepressiva virker ved at hæmme serotonin transporteren. I denne ph.d., er de molekylære detaljer for, hvordan GABA og serotonin transporterer virker, blevet undersøgt. Et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Saida Said, der forsvare det d. 11/08

Forsvaret af ph.d.-projektet er offentligt og finder sted den 11/08 kl. 13 i 1534 - 125, Aarhus Universitet, Ny munkegade 118, Aarhus C. Titlen på projektet er "Novel approaches to conformational and functional studies of the serotonin transporter and the GABA transporter subtype one". Yderligere oplysninger: Ph.d.-studerende Saida Said, e-mail: saida.said@clin.au.dk.

Bedømmelsesudvalg

Baruch Kanner, Professor, Hebrew Universitet i Jerusalem, Israel

Anders Skov Kristensen, Lektor, Københavns Universitet

Mai Marie Holm, Lektor, Aarhus Universitet (formand)

Press release (English)

Studies of proteins that play important roles in the regulation of signaling molecules in the brain

The serotonin and GABA transporters are two important proteins that regulate the synaptic concentration of the signaling molecules serotonin and GABA in the brain. GABA is the main inhibitory signaling molecule, and misbalanced levels of GABA can cause anxiety, epilepsy, stress and depression. Serotonin regulates e.g. mood, appetite, memory, learning and reward, and several classes of antidepressants function by inhibiting the serotonin transporter. In this Ph.D., the molecular mechanisms of the serotonin and GABA transporters have been investigated. The project was carried out by Saida Said, who is defending her/his dissertation on 11/08.

The defence is public and takes place on 11/08 at 1 pm in 1534 - 125, Aarhus University, Ny Munkegade 118, Aarhus C. The title of the project is Novel approaches to conformational and

functional studies of the serotonin transporter and the GABA transporter subtype one. For more information, please contact PhD student Saida Said, email: saida.said@clin.au.dk.

Assesment Committee

Baruch Kanner, Professor, The Hebrew University of Jerusalem, Israel

Anders Skov Kristensen, Associate Professor, University of Copenhagen

Mai Marie Holm, Associate Professor, Aarhus University (Chairman and moderator of the defence)

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